

CORRECTION

Open Access



Correction to: Effects of short- and long-term glucocorticoid-induced osteoporosis on plasma metabolome and lipidome of ovariectomized sheep

Diana Cabrera^{1*}, Marlena Kruger^{2,3}, Frances M. Wolber^{3,4,5}, Nicole C. Roy^{1,3,6} and Karl Fraser^{1,3,6}

Correction to: *BMC Musculoskeletal Disorders* (2020) 21:349
<https://doi.org/10.1186/s12891-020-03362-7>

Following publication of the original article [1], the authors noticed that incorrect Fig. 4 was published.

The Fig. 4 is a heatmap showing the longitudinal response for each lipid in the short-term approach; however the short term approach involves only the control group, OVX group and OVXG and three time points (0, 1 and 2 months).

The correct Fig. 4 is shown below.

Author details

¹Food Nutrition & Health Team, AgResearch Grasslands, Tennent Drive, Palmerston North 4442, New Zealand. ²School of Health Sciences, Massey University, Tennent Drive, Palmerston North 4442, New Zealand. ³Riddet Institute, Massey University, Palmerston North 4442, New Zealand. ⁴School of Food Advanced technology, Massey University, Tennent Drive, Palmerston North 4442, New Zealand. ⁵Centre for Metabolic Health Research, Massey University, Tennent Drive, Palmerston North 4442, New Zealand. ⁶High-Value Nutrition National Science Challenge, Auckland 1142, New Zealand.

Published online: 29 July 2020

Reference

1. Cabrera D, Kruger M, Wolber FM, et al. Effects of short- and long-term glucocorticoid-induced osteoporosis on plasma metabolome and lipidome of ovariectomized sheep. *BMC Musculoskeletal Disorders*. 2020;21:349. <https://doi.org/10.1186/s12891-020-03362-7>.

The original article can be found online at <https://doi.org/10.1186/s12891-020-03362-7>.

* Correspondence: diana.cabrera@agresearch.co.nz

¹Food Nutrition & Health Team, AgResearch Grasslands, Tennent Drive, Palmerston North 4442, New Zealand

Full list of author information is available at the end of the article



© The Author(s). 2020 **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.

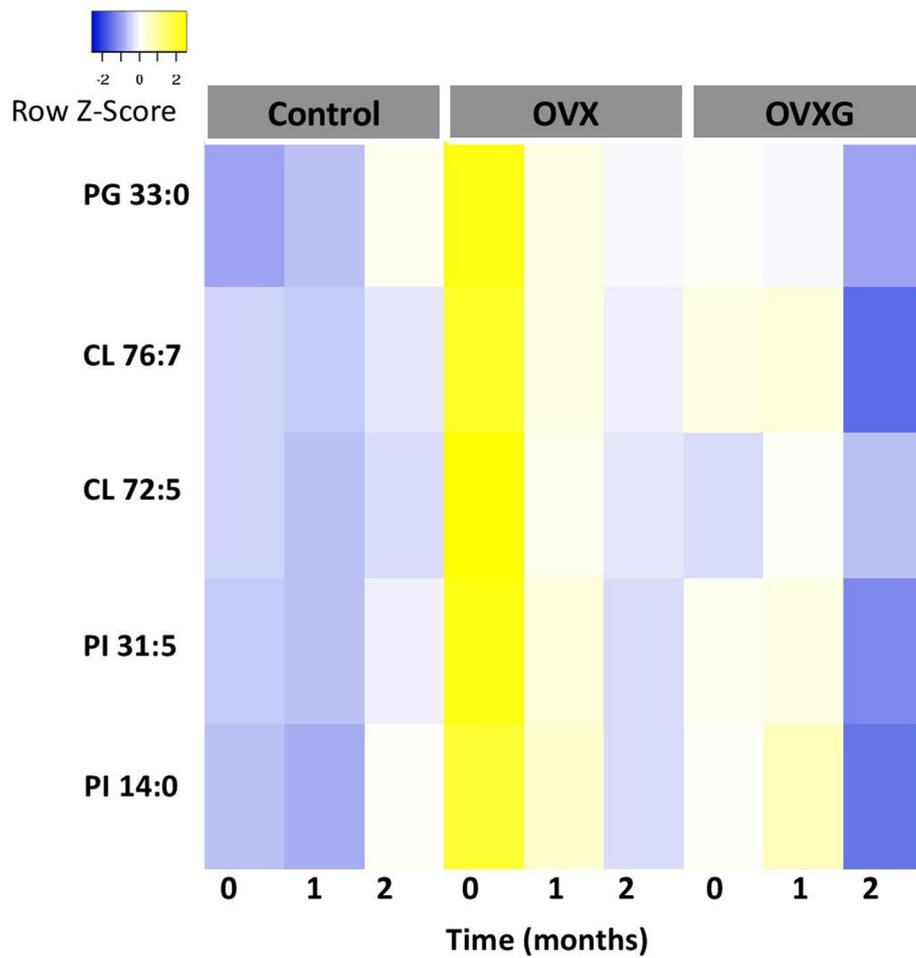


Fig. 4 Heatmap showing the longitudinal response for each lipid in the short-term approach. Data were calculated using a linear mixed model and mean of the relative intensities of the different treatment groups (control group ($n = 10$), OVX group ($n = 12$) and OVXG ($n = 6$)). PG = phosphatidylglycerol, CL = cardiolipin, PI = phosphatidylinositol. Blue and yellow indicate decreased and increased relative intensities, respectively